

12-9-02



TO THE ASSISTANT COMMISSIONER FOR PATENTS

102305040

r copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. David Baltimore, 2. Elizabeth J. Hong, 3. Carlos Lois-Caballe, 4. Shirley Pease

Additional name(s) of conveying party(ies) attached?
() Yes (X) No

2. Name and address of receiving party(ies):

Name: California Institute of Technology
Internal Address: 1200 E. California Boulevard, M/S 201-85

Street Address: Same as above
City: Pasadena State: CA ZIP: 91125

Additional name(s) of receiving party(ies) attached?
() Yes (X) No

3. Nature of conveyance:

- (X) Assignment
() Merger
() Security Agreement
() Change of Name
() Other:

Execution Date:

1. 11/10/02, 2. 11/25/02, 3. 11/02/02, 4. 10/31/02

4. Application number(s) or Patent number(s):

- () Application(s) filed herewith Execution Date(s):
(X) Patent Application No.: 10/243,820
Filing Date: September 13, 2002
() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ginger R. Dreger
KNOBBE, MARTENS, OLSON & BEAR, LLP
Customer No. 20,995
Internal Address: Fourteenth Floor
Street Address: 2040 Main Street
City: Irvine State: CA ZIP: 92614
Attorney's Docket No.: CALTE.006A

7. Total fee (37 CFR 1.21(h)): \$40

- (X) Enclosed
(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Ginger R. Dreger
Name of Person Signing

Signature

December 5, 2002
Date

33,055
Registration No.

Total number of pages including cover sheet, attachments and document: 5

Mail documents to be recorded with required cover sheet information to:

12/10/2002 TDIAZ1 00000018 10243820
01 FC:8021 40.00 DP

W:\DOCS\ANM\ANM-4297.DOC 120302

U.S. Patent and Trademark Office
Attn: Assignment Division
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Vertical stamp: RECEIVED

ASSIGNMENT

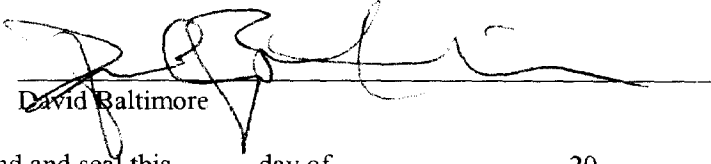
WHEREAS, We, David Baltimore, a U.S. citizen, residing at 415 S. Hill Avenue, Pasadena, CA 91106, Elizabeth J. Hong, a U.S. citizen, residing at 309 Barrington Drive, Bridgewater, NJ 08807, Carlos Lois-Caballe, a citizen of Spain, residing at 1821 1/2 Wayne Avenue, South Pasadena, CA 91030 and Shirley Pease, a citizen of the United Kingdom, residing at 341 Hill Street, Monrovia, CA 91061, have invented certain new and useful improvements in a METHOD FOR PRODUCING TRANSGENIC BIRDS AND FISH for which we have filed an application for Letters Patent in the United States, 10/243,820;

AND WHEREAS, California Institute of Technology (hereinafter "ASSIGNEE"), a CA Corporation, with its principal place of business at 1200 E. California Boulevard, M/S 201-85, Pasadena, CA 91125, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in return for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10 day of Nov, 2002.


David Baltimore

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Elizabeth J. Hong

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Carlos Lois-Caballe

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Shirley Pease

ASSIGNMENT

WHEREAS, We, David Baltimore, a U.S. citizen, residing at 415 S. Hill Avenue, Pasadena, CA 91106, Elizabeth J. Hong, a U.S. citizen, residing at 309 Barrington Drive, Bridgewater, NJ 08807, Carlos Lois-Caballe, a citizen of Spain, residing at 1821 1/2 Wayne Avenue, South Pasadena, CA 91030 and Shirley Pease, a citizen of the United Kingdom, residing at 341 Hill Street, Monrovia, CA 91061, have invented certain new and useful improvements in a METHOD FOR PRODUCING TRANSGENIC BIRDS AND FISH for which we have filed an application for Letters Patent in the United States, 10/243,820;

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

David Baltimore

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 25th day of November, 2002

Elizabeth J. Hong

Elizabeth J. Hong

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Carlos Lois-Caballe

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Shirley Pease

ASSIGNMENT

WHEREAS, We, David Baltimore, a U.S. citizen, residing at 415 S. Hill Avenue, Pasadena, CA 91106, Elizabeth J. Hong, a U.S. citizen, residing at 309 Barrington Drive, Bridgewater, NJ 08807, Carlos Lois-Caballe, a citizen of Spain, residing at 1821 1/2 Wayne Avenue, South Pasadena, CA 91030 and Shirley Pease, a citizen of the United Kingdom, residing at 341 Hill Street, Monrovia, CA 91061, have invented certain new and useful improvements in a METHOD FOR PRODUCING TRANSGENIC BIRDS AND FISH for which we have filed an application for Letters Patent in the United States, 10/243,820;

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

David Baltimore

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Elizabeth J. Hong

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 2nd day of November, 2002



Carlos Lois-Caballe

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Shirley Pease

ASSIGNMENT

WHEREAS, We, David Baltimore, a U.S. citizen, residing at 415 S. Hill Avenue, Pasadena, CA 91106, Elizabeth J. Hong, a U.S. citizen, residing at 309 Barrington Drive, Bridgewater, NJ 08807, Carlos Lois-Caballe, a citizen of Spain, residing at 1821 1/2 Wayne Avenue, South Pasadena, CA 91030 and Shirley Pease, a citizen of the United Kingdom, residing at 341 Hill Street, Monrovia, CA 91061, have invented certain new and useful improvements in a METHOD FOR PRODUCING TRANSGENIC BIRDS AND FISH for which we have filed an application for Letters Patent in the United States, 10/243,820;

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

David Baltimore

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Elizabeth J. Hong

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20__.

Carlos Lois-Caballe

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of October, 2002.

Shirley Pease

Shirley Pease